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NOTICE OF ALLOWANCE AND FEE(S) DUE

26643 7590 08/11/2008

PETER J. GORDON, PATENT COUNSEL
AVID TECHNOLOGY, INC.
ONE PARK WEST
TEWKSBURY, MA 01876

EXAMINER

GRANT II, JEROME

ART UNIT

PAPER NUMBER

2625

DATE MAILED: 08/11/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/817,209

04/02/2004

Michel Rynderman

A20030010(2)

2395

TITLE OF INVENTION: BITSTREAM FORMAT FOR COMPRESSED IMAGE DATA

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	11/12/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26643 7590 08/11/2008

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ONE PARK WEST
TEWKSBURY, MA 01876

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/817,209 04/02/2004 Michel Rynderman A20030010(2) 2395

TITLE OF INVENTION: BITSTREAM FORMAT FOR COMPRESSED IMAGE DATA

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1440 \$300 \$0 \$1740 11/12/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
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GRANT II, JEROME 2625 358-505000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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PETER J. GORDON, PATENT COUNSEL
AVID TECHNOLOGY, INC.
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TEWKSBURY, MA 01876

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1021 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1021 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/817,209

Examiner

Jerome Grant II

Applicant(s)

RYNDERMAN, MICHEL

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an amendment received 6-23-08.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date ____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

/Jerome Grant II/
Primary Examiner, Art Unit 2625

Reasons for Allowance

Claims 1 -8 are allowed for the reason the prior art does not show in claimed combination, "... macro-block data for a plurality of macro-blocks for a band of lines in the image and padding, wherein the macro-block data is followed by the padding data boundary; and wherein the picture header references an image scan index that indicates a number of macro-block rasterscans in the image scan data and a number lines per macro-block rasterscan. Following by entries of the index and wherein each entry in the index includes an offset of the macro-block rasterscan .

Claim 9 is allowed for the reason the prior art does not teach in claimed combination, "... defining a bit stream as claimed for each band of lines..... defining the image scan data to include the rasterscan data as claimed and creating entries in the image scan index such that each entry in the index includes an offset of the macro-block rasterscan in an image scan

Claim 10 is allowed for the reason the prior art does not teach for each band of lines in the image, defining a bitstream in memory for a macroblock rasterscan using macroblock data for a plurality of macroblocks for the bands of lines, followed by padding that makes each macroblock rasterscan terminate on a data boundary; defining the image scan data includes data corresponding to a plurality of macroblock raster-scans;

and defining an image scan index that indicates a number of macroblock rasterscans in the image scan data and a number of lines per macroblock rasterscan, followed by entries of the image scan index; creating entries in the image scan index such that each entry in the index includes an offset of the macroblock rasterscan in image scan.

Claim 11 is allowed for the reason the prior art fails to show in claimed combination, "macroblock data for a plurality of macroblocks for a band of lines in the image; and padding, wherein the macroblock data is followed by padding, whereby data for each macroblock rasterscan terminates on a data boundary, the method comprising:

Reading a macroblock rasterscan from the image scan data; identifying an end of block code in the macroblock rasterscan; and reading a subsequent macroblock rasterscan starting from a data boundary immediately following the end of block code. "

Claims 12 and 13 are allowed for the reason the prior art does not teach in claimed combination wherein the image data includes macroblock data for a plurality of sets of macroblocks, wherein each set of macroblocks includes a plurality of macroblocks, wherein each set of macroblocks includes a plurality of macroblocks, wherein the macroblock data for each set of macroblocks includes data of the plurality of macroblocks in the set, followed by padding whereby the data for each set of macroblocks terminates on a data boundary; and wherein the picture header references an index that indicates a number of sets of macroblocks in the image data and the image data represented by each set of macroblocks, followed by entries of the index.

Claims 14-16 are allowed for the reason the prior art does not show in claimed combination, "... wherein the image scan data includes rasterscan data corresponding to a plurality of macroblock rasterscans, wherein the rasterscan data for each macroblock rasterscan includes macroblock data for a plurality of macroblocks for a band of lines in the image; and padding wherein the macroblock data is followed by padding whereby data for each macroblock rasterscan terminates on a data boundary the method comprising: accessing the picture header to locate the image scan index and accessing the image scan index to locate, for each macroblock rasterscan, the offset of the macroblock rasterscan in the image scan data.

Claims 17-19 are allowed for the reason the prior art does not show in claimed combination, wherein the image scan data includes rasterscan data corresponding to a plurality of macroblock rasterscans, wherein the rasterscan data for each macroblock rasterscan includes macroblock data for a plurality of macroblocks for a band of lines in the image; and padding wherein the macroblock data is followed by padding, whereby data for each macroblock rasterscan terminates on a data boundary, wherein the method comprises accessing the picture header to locate the index and accessing the index to locate, for each set of macroblocks, the offset of the set of macroblocks in the image data.

Claim 20 is allowed for the reason the prior art does not show defining a bitstream in memory for each set of a plurality of sets of macroblocks, wherein each bitstream includes macroblock data for a plurality of macroblocks, flowed by padding that makes each set of macroblocks terminate on a data boundary; defining the image data to include macroblock data corresponding to the plurality of sets of macroblocks, and defining an index that indicates a number of sets of macroblocks in the image data and the image data represented by each set of macroblocks, followed by entries of the index; creating entries in the index such that each entry in the index includes an offset for one of the sets of macroblocks in the image data; creating a reference in the picture header to the index.

Claim 21 is allowed for the reason the prior art fails to teach in claimed combination,"... for each image, defining a picture header followed by image data, including: defining a bitstream in memory for each set of a plurality of sets of macroblocks ,wherein each bitstream includes macroblock data for a plurality of macroblocks, followed by padding that makes each set of macroblocks terminate on a data boundary; defining the image data to includes macroblock data corresponding to the plurality of sets of macroblocks; and defining an index that indicate a number of sets of macroblocks in the image data and the image data represented by each set of macroblocks, followed by entries of the index; creating entries in the index such that each entry in the index includes an offset for one of the sets of macroblocks in the image data; creating a reference in the picture header to the index.

Claim 22 is allowed for the reason the prior art does not provide in claimed combination, "... wherein the image data includes macroblock data for a plurality of sets of macroblocks, wherein each set of macroblocks includes a plurality of sets of macroblocks, wherein each set of macroblocks includes a plurality of macroblocks, wherein the macroblock data for each set o macroblocks includes data for the plurality of macroblocks in the set, followed by padding whereby the data for each set of macroblocks terminates on a data boundary, the method comprising: reading a set of macroblocks from the image data; identifying an end of block code in the set of macroblocks."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 571-272-7463. The examiner can normally be reached on Mon.-Fri. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Coles, can be reached on 571-272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Jerome Grant II/

Primary Examiner, Art Unit 2625